



MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME Alodine 1200
D.O.T. PROPER SHIPPING NAME Chromic Acid Mixture
D.O.T. HAZARD CLASSIFICATION Oxidizer
TECHNICAL CONTACT (NAME) Charles Gruszka
TELEPHONE NUMBER (215) 628-1364 EMERGENCY NUMBER (215) 628-1000

1 HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	CONTENT(% WT/WT)	HAZARD	TLV
Chromic Acid	1333-82-0	20-30	Carcinogen NTP	0.05mg/M ³
Potassium Ferricyanide	13746-66-2	15-20	Irritant	N/A
Potassium Fluozirconate	16923-95-8	10-15	Irritant	N/A
Sodium Fluoborate	13755-29-8	30-40	Irritant	N/A

2 PHYSICAL DATA

APPEARANCE	Dark Orange Powder	SOLUBILITY IN WATER	Appreciable
ODOR	Slighty Acidic	pH OF CONCENTRATE	
		@ 60° F	N/A
SPECIFIC GRAVITY		BOILING POINT °F	N/A
@ 60° F	N/A		
OTHER:	N/A		

3 FIRE AND EXPLOSION DATA

FLASH POINT	None	TEST METHOD	N/A	EXTINGUISHING MEDIA	Water
UNUSUAL FIRE OR EXPLOSION HAZARDS	None				
SPECIAL FIRE FIGHTING PROCEDURES Do not allow this material to come in contact with organic materials such as rags, sawdust, paper, etc. If this material is heated to decomposition, toxic cyanide fumes may be emitted.					

4 REACTIVITY DATA

Alodine 1200

STABLE ☒

UNSTABLE ☐

(CONDITIONS TO AVOID)

INCOMPATIBLE MATERIALS

Organic materials, reducing agents, strong acids.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR ~~XX~~

MAY OCCUR ☐

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

Some hydrogen fluoride; hydrogen cyanide. Addition of acids to this material will generate highly toxic hydrogen cyanide fumes.

5 HEALTH HAZARD DATA

Skin	Will burn
Eyes	Will burn
Ingestion	Will burn mucous membranes
Inhalation	Chromic acid dust can cause irritation and ulcers of the nasal septum.

6 FIRST AID RECOMMENDATIONS

Skin	Wash with soap and water and rinse thoroughly.
Eyes	Flush immediately with copious amounts of water for at least 15 minutes. Call a doctor.
Ingestion	Drink mild of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor. Do not induce vomiting unless directed by a doctor.
Inhalation	Remove from contaminated area to fresh air. Any exposed person with any respiratory difficulty such as coughing, chest pain, breathing difficulty, dizziness, fatigue, etc., should be examined by a doctor and the doctor made aware of what materials the individual was exposed to.